

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

1-87. (canceled)

88. (currently amended) An isolated polynucleotide encoding at least ~~one~~ a first monomer of a non-oligomerizing tandem fluorescent protein, wherein the non-oligomerizing tandem fluorescent protein comprises a first monomer of a an Aequorea green fluorescent protein (GFP) or a fluorescent protein related to a an Aequorea GFP operatively linked to at least a second monomer of a an Aequorea GFP or a fluorescent protein related to a an Aequorea GFP, and wherein said first monomer of the non-oligomerizing tandem fluorescent protein comprises a mutation of an amino acid residue corresponding to A206K, L221K, F223R, or a combination thereof of SEQ ID NO: 6 or SEQ ID NO:10, and wherein the propensity of the tandem fluorescent protein to form intermolecular oligomers is reduced or inhibited as compared to a monomer of a an Aequorea GFP or a fluorescent protein related to a an Aequorea GFP.

89-98. (canceled)

99. (previously presented) The isolated polynucleotide of claim 88, wherein the first monomer and the second monomer are operatively linked using a peptide linker.

100-101. (canceled)

102. (previously presented) The isolated polynucleotide of claim 88, further comprising at least a third monomer of the fluorescent protein, which is operatively linked to the first monomer or the second monomer.

103. (currently amended) An isolated polynucleotide encoding at least ~~one~~ a first monomer of a fusion protein, wherein the fusion protein comprises the non-oligomerizing tandem fluorescent protein of claim 88 operatively linked to at least one polypeptide of interest.

104. (previously presented) The isolated polynucleotide of claim 103, wherein the non-oligomerizing tandem fluorescent protein is linked to the polypeptide of interest through a peptide bond.

105. (previously presented) The isolated polynucleotide of claim 103, wherein the non-oligomerizing tandem fluorescent protein is linked to the polypeptide of interest through a linker molecule.

106. (previously presented) The isolated polynucleotide of claim 103, wherein at least one polypeptide of interest comprises a peptide tag.

107. (previously presented) The isolated polynucleotide of claim 106, wherein the peptide tag is a polyhistidine peptide.

108. (previously presented) The isolated polynucleotide of claim 103, wherein at least one polypeptide of interest is a cellular polypeptide.

109. (currently amended) The isolated polynucleotide of claim ~~403~~108, wherein the polypeptide of interest is a cellular polypeptide selected from an enzyme, a G-protein, a growth factor receptor, or a transcription factor.

110. (previously presented) The isolated polynucleotide of claim 103, wherein the polypeptide of interest is one of two or more proteins that associate to form a complex.

111-127. (canceled)

128. (previously presented) A vector comprising the isolated polynucleotide of claim 88.

129-133. (canceled)

134. (previously presented) A host cell comprising the isolated polynucleotide of claim 88.

135-137. (canceled)

138. (previously presented) A kit comprising at least one isolated polynucleotide of claim 88.

139-153. (canceled)